Form PTO 1449 (Modified)		U.S. DEPARTMENT OF PATENT AND TRADES		ATTY DOCKET NO. 251513US96			SERIAL NO. 10/828466 NEW APPLICATION		
LIST OF	REFER	RENCES CITED BY APPL	ICANT	APPLICANT	Michael	R. JOHI	NSON		
				FILING DATE 21 APRIL 2004			GROUP 1624		
				U.S. PATENT D	OCUMENTS				
EXAMINER INITIAL	_	DOCUMENT NUMBER	DATE ·		NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
TT	AA	4,177,285	12-04-79	Cragoe, Jr. et a	l.				
ET	AB	3,794,734	02-26-74	Cragoe, Jr. et a	l				
27	AC	3,864,401	02-04-75	Schultz et al.					
ET	AD	3,914,253	10-21-75	Cragoe, Jr. et a	l				
ZT	AE	3,929,872	12-30-75	Cragoe, Jr. et a	1.				
25	AF	3,931,239	01-06-76	Cragoe, Jr. et a	1.				
ET	AG	3,953,476	04-27-76	Cragoe, Jr. et a	l				
21	AH	3,966,966	06-29-76	Cragoe, Jr. et a	1.				
ZT	Al	4,006,180	02-01-77	Cragoe, Jr. et a	l.				
21	LA	4,012,524	03-15-77	Cragoe, Jr. et a	l.		-		
21	AK	4,159,279	06-26-79	Smith et al.				· · · · · · · · · · · · · · · · · · ·	
ET	AL	4,163,781	08-07-79	Cragoe, Jr. et a	l.				
21	AM	4,163,794	08-07-79	Cragoe, Jr. et a	l				
21	AN	4,085,219	04-18-78	Cragoe, Jr. et a	I,				
			FO	REIGN PATENT	DOCUMENTS	<u> </u>			
<b></b>	-	DOCUMENT		TEIGHT ATEIN			Γ	TRANSLATION	
		NUMBER	DATE		COUNTRY		YES		
	AO								
	AP								
	AQ								
	AR								
	AS								
	AT								
	AU								
	AV								
		OTHER REF	ERENCES (	Including Autho	or, Title, Date, Pertinen	t Pages, e	tc.)		
व	AW	R. Tarran et al., <u>The CF</u> 158, July 2001.	<u> </u>	<del> </del>				lecular Cell, Vol. 8, 149-	
27	AX	Michael R. Knowles et al Pulmonary Disease, Cha			Safety, Pharmacokine	etics, and I	fficacy in t	he Treatment of	
Br	AY	Louis Simchowitz et al., a	An Overview	of the Structure	Activity Relations in the	Amiloride	Series, Ch	apter 2, page 9-25.	
27	AZ	J.R. Sabater et al., Aeros Physiological Society, pa			Agonists Enhances Muc	ociliary Cle	arance in S	Sheep, The American	
Examiner 6	A	Ch_				Date Cor	sidered $2$	G OCTOBER 2006	
		eference is considered, what considered. Include copy				09; Draw li	ne through	citation if not in	

APPLICANT   Michael R. JOHNSON   FILING DATE   APPROVED   FROM   FILING DATE   APPROVED   FILING DATE   APPROVED   FILING DATE   APPROPRIATE	Form PTO 1449 (Modified)		U.S. DEPARTMENT OF PATENT AND TRADEM	COMMERCE MARK OFFICE	OMMERCE 251513US96			NEW APPLICATION			
THEREFORTH   1624	LIST OF	REFER	RENCES CITED BY APPL	ICANT							
DOCUMENT   NAME   CLASS   SUB   FILING DATE   NAME   CLASS						GROUP-					
NITIAL   NUMBER   DATE   Nove   CLASS   IF APPROPRIATE				ĺ	U.S. PATENT DOCUMENTS			·			
### AB 4,195,292				DATE	NAME	CLASS					
### AC 4,087,526	ZT	AA	4,025,625	05-24-77	Rooney et al.			,			
### AD 4,087.542	21	AB	4,196,292	04-01-80	Woltersdorf, Jr. et al.						
### AF 4,100,294   07-11-18   Cragoe, Jr. et al.   ### AF 4,100,294   07-11-18   Cragoe, Jr. et al.   ### AF 4,100,776   02-20-79   Cragoe, Jr. et al.   ### AJ 4,107,776   02-20-79   Cragoe, Jr. et al.   ### AJ 4,145,551   03-20-79   Cragoe, Jr. et al.   ### AJ 4,181,727   01-01-80   Cragoe, Jr. et al.   ### AJ 4,181,727   01-01-80   Cragoe, Jr. et al.   ### AJ 4,237,130   12-02-80   Cragoe, Jr. et al.   ### AM 4,237,144   12-02-80   Cragoe, Jr. et al.   ### AM 4,237,144   12-02-80   Cragoe, Jr. et al.   ### AM 4,237,602   07-07-81   Woltersdorf, Jr. et al.   ### AM 4,231,050   09-22-81   Woltersdorf, Jr. et al.   ### FOREIGN PATENT DOCUMENTS  ### DOCUMENT   DATE   COUNTRY   TRANSLATION   YES   NO   ### AQ   ### A	21	AC	4,087,526	05-02-78	Cragoe, Jr. et al.						
### AF 4,100,294   07-11-78   Cragoe, Jr. et al.    ### AG 4,105,768   08-08-78   Rooney et al.    ### AG 4,105,768   08-08-78   Rooney et al.    ### AI 4,140,776   02-20-79   Cragoe, Jr. et al.    ### AI 4,145,551   03-20-79   Cragoe, Jr. et al.    ### AI 4,145,551   03-20-79   Cragoe, Jr. et al.    ### AI 4,181,727   01-01-80   Cragoe, Jr. et al.    ### AI 4,237,130   12-02-80   Cragoe, Jr. et al.    ### AI 4,237,144   12-02-80   Cragoe, Jr. et al.    ### AI 4,237,144   12-02-80   Cragoe, Jr. et al.    ### AI 4,291,050   07-07-81   Woltersdorf, Jr. et al.    ### FOREIGN PATENT DOCUMENTS    DOCUMENT NUMBER   DATE   COUNTRY   TRANSLATION NO    ### AQ	21	AD	4,087,542	05-02-78	Cragoe, Jr. et al.						
### AG 4,105,769	ZT	AE	4,092,414	05-30-78	Cragoe, Jr. et al.						
### At ##		AF	4,100,294	07-11-78	Cragoe, Jr. et al.						
Al	25	AG	4,105,769	08-08-78	Rooney et al.						
Al		AH	4,140,776	02-20-79	Cragoe, Jr. et al.						
AJ		Al	4,145,551	03-20-79	Cragoe, Jr. et al.		F 1				
### AK		AJ	4,181,727	01-01-80	Cragoe, Jr. et al.		<b></b>				
AM 4,277,602 07-07-81 Woltersdorf et al.  FOREIGN PATENT DOCUMENTS  DOCUMENT NUMBER DATE COUNTRY TRANSLATION YES NO  AO AP AP AN AR		AK	4,237,130	12-02-80	Cragoe, Jr. et al.						
AM 4.277,602 07-07-81 Woltersdorf et al.  TO AN 4.291,050 09-22-81 Woltersdorf, Jr. et al.  FOREIGN PATENT DOCUMENTS  DOCUMENT NUMBER DATE COUNTRY TRANSLATION YES NO  AO AP AP AQ AQ AQ AR AR AS AS AT AT AU AU AV AV AV AV Biology, Vol. 105, pages 1,-21, 1988.  OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  Thomas R. Kleyman et al., Amiloride and its Analogs as Tools in the Study of Ign Transport, The Journal of Membrane Biology, Vol. 105, pages 1-21, 1988.  TAX Edward C. Taylor et al., A Facilie Route to "Open Chain" Analogues of DDATHE, Heterocycles, Vol. 28, No. 2, 1989.  AX Edward J. Cragoe, Jr., The Synthesis of Amiloride and its Analogs, page 24-38, Chapter 3. 1992  Examiner Date Considered 26 OCTBER 2006  Examiner Initial if reference is considered, whether or not citation is in conformance with MPEP 609, Draw line through citation if not in	ZT	AL	4,237,144	12-02-80	Cragoe, Jr. et al.						
FOREIGN PATENT DOCUMENTS    DOCUMENT   NUMBER   DATE   COUNTRY   TRANSLATION   YES   NO		AM	4,277,602	07-07-81	Woltersdorf et al.			•			
DOCUMENT NUMBER  DATE  COUNTRY  TRANSLATION YES NO  AQ  AP  AQ  AQ  AR  AS  AT  AU  AV  OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  Thomas R. Kleyman et al., Amiloride and its Analogs as Tools in the Study of Ion Transport, The Journal of Membrane Biology, Vol. 105, pages 1-21, 1988.  TA  AX  Edward C. Taylor et al., A Facile Route to "Open Chain" Analogues of DDATHF, Heterocycles, Vol. 28, No. 2, 1989.  AY  Paul-Michael Windscheif et al., Substituted Dipyridlethenes and -ethynes and Key Pyridine Building Blocks, Synthesis, pages 87-92, January 1994.  Edward J. Cragoe, Jr., The Synthesis of Amiloride and its Analogs, page 24-38, Chapter 3. 1992  Examiner  Date Considered 26 MCTBER 2006  Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in		AN	4,291,050	09-22-81	Woltersdorf, Jr. et al.						
NUMBER  AO  AP  AQ  AR  AR  AS  AT  AU  AV  OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  Thomas R. Kleyman et al., Amiloride and its Analogs as Tools in the Study of Ion Transport, The Journal of Membrane Biology, Vol. 105, pages 1-21, 1988.  TAX  Edward C. Taylor et al., A Facile Route to "Open Chain" Analogues of DDATHF, Heterocycles, Vol. 28, No. 2, 1989.  AY  Paul-Michael Windscheif et al., Substituted Dipyridlethenes and -ethynes and Key Pyridine Building Blocks, Synthesis, pages 87-92, January 1994.  Examiner  Date Considered 26 MCTBER 2006  Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in				FO	REIGN PATENT DOCUMENTS	•					
AR  AS  AT  AU  AV  OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  Thomas R. Kleyman et al., Amilioride and its Analogs as Tools in the Study of Ion Transport, The Journal of Membrane Biology, Vol. 105, pages 1-21, 1988.  Edward C. Taylor et al., A Facile Route to "Open Chain" Analogues of DDATHF, Heterocycles, Vol. 28, No. 2, 1989.  AY  Paul-Michael Windscheif et al., Substituted Dipyridlethenes and -ethynes and Key Pyridine Building Blocks, Synthesis, pages 87-92, January 1994.  Examiner  Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in											
AR  AS  AT  AU  AV  OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  Thomas R. Kleyman et al., Amiloride and Its Analogs as Tools in the Study of Ion Transport, The Journal of Membrane Biology, Vol. 105, pages 1-21, 1988.  Edward C. Taylor et al., A Facile Route to "Open Chain" Analogues of DDATHF, Heterocycles, Vol. 28, No. 2, 1989.  AX  Paul-Michael Windscheif et al., Substituted Dipyridlethenes and -ethynes and Key Pyridine Building Blocks, Synthesis, pages 87-92, January 1994.  Edward J. Cragoe, Jr., The Synthesis of Amiloride and Its Analogs, page 24-38, Chapter 3. 1992  Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in		AO									
AR  AS  OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  Thomas R. Kleyman et al., Amiloride and its Analogs as Tools in the Study of Ion Transport, The Journal of Membrane Biology, Vol. 105, pages 1-21, 1988.  AX  Edward C. Taylor et al., A Facile Route to "Open Chain" Analogues of DDATHF, Heterocycles, Vol. 28, No. 2, 1989.  AY  Paul-Michael Windscheif et al., Substituted Dipyridlethenes and -ethynes and Key Pyridine Building Blocks, Synthesis, pages 87-92, January 1994.  Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in		AP									
AS  AT  AU  AV  OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  Thomas R. Kleyman et al., Amiloride and its Analogs as Tools in the Study of Ion Transport, The Journal of Membrane Biology, Vol. 105, pages 1-21, 1988.  AX  Edward C. Taylor et al., A Facile Route to "Open Chain" Analogues of DDATHF, Heterocycles, Vol. 28, No. 2, 1989.  AX  Paul-Michael Windscheif et al., Substituted Dipyridlethenes and ethynes and Key Pyridine Building Blocks, Synthesis, pages 87-92, January 1994.  AZ  Edward J. Cragoe, Jr., The Synthesis of Amiloride and Its Analogs, page 24-38, Chapter 3. 1992  Examiner  Date Considered 26 MCTBER 2006  Texaminer: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in		AQ									
AT  AU  OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  Thomas R. Kleyman et al., Amiloride and Its Analogs as Tools in the Study of Ion Transport, The Journal of Membrane Biology, Vol. 105, pages 1-21, 1988.  Edward C. Taylor et al., A Facile Route to "Open Chain" Analogues of DDATHF, Heterocycles, Vol. 28, No. 2, 1989.  AX  Paul-Michael Windscheif et al., Substituted Dipyridlethenes and -ethynes and Key Pyridine Building Blocks, Synthesis, pages 87-92, January 1994.  Edward J. Cragoe, Jr., The Synthesis of Amiloride and Its Analogs, page 24-38, Chapter 3. 1992  Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in		AR									
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  Thomas R. Kleyman et al., Amiloride and Its Analogs as Tools in the Study of Ion Transport, The Journal of Membrane Biology, Vol. 105, pages 1-21, 1988.  Edward C. Taylor et al., A Facile Route to "Open Chain" Analogues of DDATHF, Heterocycles, Vol. 28, No. 2, 1989.  AX Paul-Michael Windscheif et al., Substituted Dipyridlethenes and -ethynes and Key Pyridine Building Blocks, Synthesis, pages 87-92, January 1994.  Edward J. Cragoe, Jr., The Synthesis of Amiloride and Its Analogs, page 24-38, Chapter 3. 1992  Examiner Date Considered 26 0CTDBER 2008  Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in	,	AS					-				
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  Thomas R. Kleyman et al., Amiloride and its Analogs as Tools in the Study of Ion Transport, The Journal of Membrane Biology, Vol. 105, pages 1-21, 1988.  Edward C. Taylor et al., A Facile Route to "Open Chain" Analogues of DDATHF, Heterocycles, Vol. 28, No. 2, 1989.  AX Paul-Michael Windscheif et al., Substituted Dipyridlethenes and -ethynes and Key Pyridine Building Blocks, Synthesis, pages 87-92, January 1994.  Edward J. Cragoe, Jr., The Synthesis of Amiloride and Its Analogs, page 24-38, Chapter 3. 1992  Examiner Date Considered 26 OCTOBER 2001  Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in		AT									
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  ZT AW Thomas R. Kleyman et al., Amiloride and its Analogs as Tools in the Study of Ion Transport, The Journal of Membrane Biology, Vol. 105, pages 1-21, 1988.  ZT AX Edward C. Taylor et al., A Facile Route to "Open Chain" Analogues of DDATHF, Heterocycles, Vol. 28, No. 2, 1989.  ZT AY Paul-Michael Windscheif et al., Substituted Dipyridlethenes and -ethynes and Key Pyridine Building Blocks, Synthesis, pages 87-92, January 1994.  ZT AZ Edward J. Cragoe, Jr., The Synthesis of Amiloride and its Analogs, page 24-38, Chapter 3. 1992  Examiner Date Considered 26 MTDBER 2001  Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in		AU		-							
Thomas R. Kleyman et al., Amiloride and Its Analogs as Tools in the Study of Ion Transport, The Journal of Membrane Biology, Vol. 105, pages 1-21, 1988.  Edward C. Taylor et al., A Facile Route to "Open Chain" Analogues of DDATHF, Heterocycles, Vol. 28, No. 2, 1989.  AX Paul-Michael Windscheif et al., Substituted Dipyridlethenes and -ethynes and Key Pyridine Building Blocks, Synthesis, pages 87-92, January 1994.  Edward J. Cragoe, Jr., The Synthesis of Amiloride and Its Analogs, page 24-38, Chapter 3. 1992  Examiner Date Considered 26 DCTDBER 2001  "Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in		AV			,		1				
Thomas R. Kleyman et al., Amiloride and Its Analogs as Tools in the Study of Ion Transport, The Journal of Membrane Biology, Vol. 105, pages 1-21, 1988.  Edward C. Taylor et al., A Facile Route to "Open Chain" Analogues of DDATHF, Heterocycles, Vol. 28, No. 2, 1989.  AX Paul-Michael Windscheif et al., Substituted Dipyridlethenes and -ethynes and Key Pyridine Building Blocks, Synthesis, pages 87-92, January 1994.  Edward J. Cragoe, Jr., The Synthesis of Amiloride and Its Analogs, page 24-38, Chapter 3. 1992  Examiner Date Considered 26 DCTDBER 2001  "Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in			OTHER REF	ERENCES (	Including Author, Title, Date, Pertinen	t Pages, e	itc.)				
AX Paul-Michael Windscheif et al., Substituted Dipyridlethenes and -ethynes and Key Pyridine Building Blocks, Synthesis, pages 87-92, January 1994.  Edward J. Cragoe, Jr., The Synthesis of Amiloride and Its Analogs, page 24-38, Chapter 3. 1992  Examiner  Date Considered 26 0CT BER 2001  Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in	ZT	AW			and Its Analogs as Tools in the Study of	Ion Trans	port, The J	ournal of Membra	ane		
AY pages 87-92, January 1994.  AZ Edward J. Cragoe, Jr., The Synthesis of Amiloride and Its Analogs, page 24-38, Chapter 3. 1992  Examiner Date Considered 26 0CTDBER 2001  "Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in	否	АХ	Edward C. Taylor et al.,	A Facile Rou	te to "Open Chain" Analogues of DDATI	HF, Hetero	ocycles, Vol	. 28, No. 2, 1989	<b>).</b>		
Examiner Date Considered 26 0CTDBER 2001  *Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in	ZT	AY			tituted Dipyridlethenes and -ethynes and	Key Pyric	line Building	Blocks, Synthe	sis,		
Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in	21	AZ	Edward J. Cragoe, Jr., I	he Synthesis	of Amiloride and Its Analogs, page 24-	38, Chapte	er 3. 1992	2			
	Examiner		alm_			Date Cor	nsidered 2	26 OCTOBER	2001		
						09; Draw I	ine through	citation if not in			

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF PATENT AND TRADEM		ATTY DOCKET NO. 251513US96	SERIAL NO. 10/828,466 NEW APPLICATION				
LIST OF	REFE	RENCES CITED BY APPL	ICANT.	APPLICANT Michael R. JOHNSON					
				FILING DATE 21 APRIL 2004	,	GROUP	162	4	
				U.S. PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS		ILING DATE PPROPRIATE	
Z+	AA	4,003,927	01-18-77	Woltersdorf, Jr. et al.	-	-			
ET	AB	4,296,122	10-20-81	Cragoe, Jr. et al.		_			
E	AC	4,317,822	03-02-82	Woltersdorf, Jr. et al.					
ET	AD	4,362,724	12-07-82	Bock et al.					
ET	AE	4,401,669	08-30-83	Cragoe, Jr. et al.	-				
21	AF	3,974,212	08-10-76	Cragoe, Jr. et al.					
21	AG	3,984,465	10-05-76	Cragoe, Jr. et al.					
25	AH	3,984,552	10-05-76	Cragoe, Jr. et al.					
ZT	Al	4,067,980	01-10-78	Cragoe, Jr. et al.					
21	AJ	4,085,117	04-18-78	Cragoe, Jr. et al.	<b>—</b>				
2	AK	4,085,211	04-18-78	Cragoe, Jr. et al.					
21	AL	4.246.406	01-20-81	Cragoe, Jr. et al.	<b> </b>				
ZT	АМ	3,472,848	10-14-69	Edward J. Cragoe, Jr. et al.					
21	AN	3,544,571	12-01-70	Edward J. Cragoe, Jr., et al.	<b>—</b>				
			FO	REIGN PATENT DOCUMENTS		-			
		DOCUMENT NUMBER	DATE	COUNTRY		YES		LATION NO	
	AO				-				
	AP	·				ļ			
	AQ								
	AR							<del></del>	
	AS						$\overline{}$		
	AT								
	AU					<u> </u>			
	AV						$\neg \neg$		
		OTHER REF	FRENCES (	Including Author, Title, Date, Pertinent	t Pages, e	its.)			
ZT	AW	Jack H. Li, et al., Stereos	selective Blo	ckage of Amphibian Epithelial Sodium Cierapeutics, Vol. 267, No. 3, pages 1081-1	hannels by	v Amiloride	Analog	s, The Journal of	
31	AX	Pallav L. Shah, M.D., <u>Ch</u> Medicinal Chemistry, Vol		ogress in the Treatment of Pulmonary Dis 67-76, 2001.	sease in C	vstic Fibro	<u>sis,</u> Annı	ual Reports in	
36	AY	Dieter Worlitzsch et al., E Fibrosis Patients, The Jo	Effects of Re	duced Mucus Oxygen Concentration in A nicel Investigation, February 2002, Volum	tirway Pse te 109, Nu	udomonas mber 3, pa	s Infections in 1985	ns of Cystic -336.	
25	AZ	Edward J. Cragoe, Jr., et	l al., Chapter	r 7: Diuretic Agents, Annual Reports in N	Medicinal C	Chemistry,	1966, pa	age 59-68.	
Examiner		Zelm_			<u></u>			TBER 2006	
*Examiner: Ini conformance	Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE 251513US96				SERIAL NO/0/828, 466 NEW APPLICATION			
LIST OF	REFE	RENCES CITED BY APPL	ICANT	APPLICANT Michael	R. JOH!	NSON			
	٠			FILING DATE ZI APRTL 2004	GROUP	1624			
		-		U.S. PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
21	AA	3,991,106	11-09-76	Cragoe, Jr., et al.	-	-			
Er	AB	3,991,087	11-09-76	Cragoe, Jr. et al.					
8	AC	3,989,749	11-02-76	Cragoe, Jr. et al.					
2	AD	3,987,091	10-19-76	Cragoe, Jr. et al.					
Br	AE	3,979,361	09-07-76	Schultz et al.					
ZT	AF	3,976,686	08-24-76	Cragoe, Jr. et al.		_			
21	AG	3,976,681	08-24-76	Cragoe, Jr. et al.					
24	АН	3,958,004	05-18-76	Cragoe, Jr. et al.			-		
27	Al	3,956,374	05-11-76	Shepard et al.	-				
BT	Ą	3,928,624	12-23-75	Cragoe, Jr. et al.		-			
Er	AK	3,894,065	07-08-75	Cragoe, Jr. et al.					
27	AL	3,668,241	06-06-72	Cragoe, Jr. et al.		<b>-</b>			
25	AM	3,625,950	12-07-71	Edward J. Cragoe, Jr.					
192	AN	4,298,743	11-03-81	Cragoe, Jr. et al.					
		1 . ·		<u> </u>			I		
	FOREIGN PATENT DOCUMENTS  DOCUMENT DATE COUNTRY TRANSLATION								
	ļ	DOCUMENT NUMBER	DATE	COUNTRY	YES NO				
	AO					ļ			
	AP								
	AQ								
	AR								
	AS		ļ						
	AT								
	AU						•		
	ΑV								
		OTHER REF	ERENCES (	Including Author, Title, Date, Pertinen	t Pages, e	itc.)			
21	AW	Edward J. Cragoe, Jr., e	t al., Chapte	r 7: Diuretic Agents, Annual Reports in I	Medicinal (	Chemistry,	1965, page 67-77.		
21	AX	Robert L. Smith, et al., C	Chapter 8: D	iuretics, Annual Reports in Medicinal Ch	emistry, Ve	olume 11,	pages 71-79, 1976.		
21	AY	Robert L. Smith, et al., C	hapter 7: D	iuretics, Annual Reports in Medicinal Ch	emistry, Vo	olume 13,	pages 61-70, 1978.		
21	ΑZ	Edward J. Cragoe, Jr., S Laboratories, 1979, page		vity Relationships in the Amiloride Series	s, Merck S	harp and l	Dohme Research		
Examiner	0	mel		•	Date Cor	nsidered	26 OCTUBER 2006		
				t citation is in conformance with MPEP 6 with next communication to applicant.	09; Draw I	ine throug	h citation if not in		

Farm PTO 1449 (Modified)		U.S. DEPARTMENT OF PATENT AND TRADEN	COMMERCE MARK OFFICE	251513US96	SERIAL NO. 101828, 466 -NEW APPLICATION			
LIST OF	REFEI	RENCES CITED BY APPL	ICANT	APPLICANT Michael R. JOHNSON				
				FILING DATE 21 APRIL 200 HEREWITH	GROUP 1624			
		-	ļ	U.S. PATENT DOCUMENTS				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	S SUB FILING DATE IF APPROPRIATION		
21	AA	3,313,813	04/11/67	Cragoe	T			
21	AB	3,573,306	03/30/71	K.L. Shepared et al.				
	AC							
	AD							
	ΑE							
	AF							
	AG							
	AH							
	Al							
	AJ							
	AK							
	AL							
	AM							
	AN							
			FO	REIGN PATENT DOCUMENTS				
		DOCUMENT NUMBER	DATE COUNTRY TRANSLATION YES				SLATION NO	
	AO					•		
	AP							•
	AQ							
	AR							
	AS							
	AT							
·	AU							
	AV				•			
		OTHER REF	ERENCES (	Including Author, Title, Date, Pertine	ent Pages, e	etc.)		
ET	AW	J. B. BICKING, et al., J. M HALOPYRAZINECARBO		vol. 8, no. 5, pp. 638-642, "PYRAZINE 1965.	E DIURETIC	S. I. N-AMI	IDINO-3	)-6-
8T	AX	R. F. EPAND, et al., Britis RESISTANCE IN CHINE	sh Journal o	f Cancer, vol. 63, no. 2, pp. 247-251, " ER OVARY CELLS BY AMILORIDE AI	REVERSAL NALOGS", 1	OF INTRIN	VSIC MI	ULTIDRUG
37	AY	T. M. COCKS, et al., Briti	sh Journal o	of Pharmacology, vol. 95, no. 1, pp. 67	-76, 1988.			
2	AZ	T. R. KLEYMAN, et al., A	merican Jou	urnal of Physiology, vol. 260, no. 2, Pt.	1, pp. C271	-C276, 199	11.	
Examiner	0	nl)	•		Date Cor	nsidered $Z$	609	OBER 2406
Examiner: Ini	ial if re	eference is considered, wh	ether or not	citation is in conformance with MPEP	609; Draw I	ine through	citation	if not in

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF ( PATENT AND TRADEM		ATTY DOCKET NO. 251513US96	SERIAL NO. 10/828, 466 NEW APPLICATION			
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Michael	R. JOH	NSON		
				FILING DATE 2 1 APRIL 2004		GROUP	1624	
				U.S. PATENT DOCUMENTS				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB FILING DATE CLASS IF APPROPRIATE		
-	AA	<del>                                     </del>			+			
	AB				<del>                                     </del>	1		
	AC				1			
	AD				<del>                                     </del>		<del></del>	
	AE				<del>                                     </del>	<del>                                     </del>		
	AF				†			
	AG				†			
	AH			•	1			
	AJ			·				
	AJ						_	
	AK							
	AL							
	AM							
	AN							
			FO	REIGN PATENT DOCUMENTS				
		DOCUMENT NUMBÉR	DATE	COUNTRY		TRANSLATION YES NO		
	AO							
	AP							
	AQ							
	AR	ļ						
	AS	<u> </u>						
	AT							
ļ	AU					<u> </u>		
	AV			<u> </u>				
		OTHER REFE	RENCES (	Including Author, Title, Date, Pertinen	ıt Pages, e	itc.)		
25	AW	K. E. BARRETT, et al., Ar	nnual Rev.	Physiol. vol. 2000, no. 62, pp. 535-572.				
27	AX	R.F. Epand, et al., "REVE AMILORIDE ANALOGS",	RSAL OF I	INTRINSIC MULTIDRUG RESISTANCE cer (1991), 63, pp. 247-251.	IN CHINES	SE HAMST	TER OVARY CELLS BY	
2				ECRETION BY THE INTESTINAL EPITH Rev. Physiol. 2000, 62, pp. 535-572.	HELIUM: M	OLECULA	IR BASIS AND	
				n Opinion for International Application No	o. PCT/US	03/04817,	filed February 19, 2003.	
21	AZ	<u> </u>			1		· · · · · · · · · · · · · · · · · · ·	
Examiner	`	Calh		····	<u> </u>		26 OCTOBER 200	
*Examiner: Ini conformance :	tial if re and no	eference is considered, who considered. Include copy	ether or not of this form	t citation is in conformance with MPEP 6 n with next communication to applicant.	09; Draw li	ne through	n citation if not in	

						-tu			
Form PTO 1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE			ATTY DOCKET NO. 251513US96DIV	101 187	SERIAL NO. 10/828,466				
				APPLICANT		TANSE/	<u> </u>		
LIST OF	REFE	RENCES CITED BY AP	PLICANT	APPLICANT Michael R JOHNSON					
				FILING DATE			GROUP		
				April 21, 2004			1624		
				U.S. PATENT DOCUME	NTS				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	NAME CLASS SUB CLASS				
	AA	<u> </u>							
,	AB								
	AC								
	AD								
	AE			· · · · · · · · · · · · · · · · · ·					
	AF								
	AG					<u> </u>			
	AH		-						
	Al	,	<u> </u>						
<del> </del>	AJ			<del></del>	<del> ,</del>	<del>                                     </del>			
	AK				<del> </del>				
	AL								
	AM		<del> </del>						
	AN				<del></del>	<del> </del>			
	7	<u> </u>		DEICH DATENT DOCUM	ENTE	<u> </u>			<del>-</del>
			ru	REIGN PATENT DOCUM			<del></del>		
		DOCUMENT NUMBER	DATE	cou	NTRY		YES	LATION NO	
27	AO	WO 00/23023	04/27/2000	WIPO					
2	AP	WO 01/05773 A1	01/25/2001	WIPO					
	AQ								
	AR								-
	AS								
<u></u>	AT								
	AU								
		OTHER RE	FERENCES (	Including Author, Title,	Date, Pertinent	Pages, e	tc.)		
24	AV			cterization of the Drosopl Biology, vol. 204, no. 21,					iger (NHE) gene
2	AW			I Identification of Two Typ try, vol. 28, no. 9, XP-002				ated wit	h Amiloride-
21	AX	and Functional Recons	titution", Biocl	Binding Protein of the Remistry, vol. 29, no. 4, XI	P-002381333, 1	990, page	s 1039-104	<b>45</b>	•
Bo	AY	Jeanne VELLY, et al., binding and 22 Na influ	Effects of am	loride and its analogues of lournal of Pharmacology,	on [3H]batrachot vol. 149, no. 1-2	oxinin-A 2 2, XP-0023	0-a benzoa 81334, 19	ate bindi 88, pag	ing, ( <sup>3</sup> H)tetracaine es 97-105
2	AZ	Amphibian Cell Line At	Is Not Altere	ular Pool of Na*Channels d by Mineralocorticoids* , XP-002381335, July 15	The Journal of	Addi	tional Refe	rences	sheet(s) attached
Examiner	A	Um_				Date Cor	sidered 2	6 601	08ER 2006
				citation is in conformance		9; Draw lin	ne through	citation	if not in

